

**ABSTRACT**

The present invention relates to a pitch dynamics device, the pitch dynamics device being interconnected with a pitching machine for causing the pitching machine to vary the pitch dynamics of pitched balls. Optimally, variances in pitch dynamics can include varying pitch speed, pinch plate angle, and the pitch release point. The pitch dynamics device can vary the pitch dynamics of pitched balls by adjusting a pinch plate position and angle to control the location of a pitch release point, trajectory angle, and ball release speed. The resultant is that the pitch dynamics device can allow a single-wheel pitching machine to throw different speed pitches with similar accuracy, in a batter's strike zone area, without changing the pitching machine setup which may include recalibrating the pitching machine, throwing a series of test pitches to verify pitch accuracy, changing pitching machine wheel speed, or adjust pitching machine tilt angle.